

Please amend claims 1 and 10 as follows (clean copies of the amended claims are attached in Appendix 2):

1. (Once Amended) A wavelength monitoring apparatus comprising:
 5 an optical device made of a periodic multilayer structure;
 a beam source optically coupled to at least one end surface of said periodic multilayer structure, said one end surface being **[not parallel] non-parallel** to layer surfaces of said periodic multilayer structure; and

beam detection means for detecting **a light** beam **[made to exit] exiting** from at
 10 least one surface of said periodic multilayer structure at a specific angle **[with respect to] for** a specific wavelength, said one surface being parallel to said layer surfaces of said periodic multilayer structure.

10. (Once Amended) A wavelength monitoring apparatus comprising:
 15 an optical device having a periodic multilayer structure,
 said periodic multilayer structure **[defining, at least,] having** a first surface substantially perpendicular to layer surfaces of the periodic multilayer structure and a second surface substantially parallel to the layer surfaces of the periodic multilayer structure;

20 a semiconductor laser **[confronted with] disposed to direct light towards** said first surface; and

a photo detector **[confronted with] disposed to receive light from** said second surface **at a specific angle for a specific wavelength.**

25 14. (New) A wavelength monitoring apparatus according to claim 1, wherein said optical device made of a periodic multiplayer structure comprises layers of silicon separated by layers of air.

30 15. (New) A wavelength monitoring apparatus according to claim 10, wherein said optical device having a periodic multiplayer structure comprises layers of silicon separated by layers of air.